



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Lavinia Diana TĂTARU**
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E-mail lavdiana@yahoo.com
Nationality Romanian
Date of birth 20.08.1966
Gender female

Desired employment / Occupational field

Work experience

Dates	September 1999 onwards
Occupation or position held	University lecturer
Main activities and responsibilities	teaching the courses and laboratory work for the following academic disciplines: Analytical Chemistry, General Chemistry; scientific research of soil and plant chemistry
Name and address of employer	Faculty of Science, University of Pitesti, Targu din Vale Street, no.1, Pitesti, Arges Country, Romania
Type of business or sector	Education & Research
Dates	April 2012-April 2016,
Occupation or position held	Vicedean
Main activities and responsibilities	coordinating the activities required to meet the quality standards in higher education, monitor and advise on the performance of the quality management system, produce data and report on performance, measuring against set standards.
Name and address of employer	Faculty of Science, University of Pitesti, Targu din Vale Street, no.1, Pitesti, Arges Country, Romania
Type of business or sector	Management in higher education
Dates	1992-1999
Occupation or position held	professor's assistant
Main activities and responsibilities	laboratory work for the following academic disciplines: Analytical Chemistry, General Chemistry, Biochemistry
Name and address of employer	Faculty of Science, University of Pitesti, Targu din Vale Street, no.1, Pitesti, Arges Country, Romania
Type of business or sector	Education & Research
Dates	1991-1992
Occupation or position held	High school teacher
Main activities and responsibilities	Teaching chemistry
Name and address of employer	High School no.2, Pitesti, Stadionului Street, 110227, Pitesti, Arges Country, Romania

Type of business or sector Education

Education and training

Dates June 1996- April 2003

Title of qualification awarded PhD. Thesis Agriculture chemistry

Principal subjects/occupational skills covered studies on chemistry of nutrient substrates used for horticultural plant growth

Name and type of organisation providing education and training University of Agronomic Science and Veterinary Medicine Bucharest, Romania

Level in national or international classification ISCED 6

Dates june1986-1991

Title of qualification awarded Bachelor of Science

Principal subjects/occupational skills covered Analytical chemistry, Physical chemistry

Name and type of organisation providing education and training University of Bucharest, Faculty of Chemistry

Level in national or international classification ISCED 5

Dates November 2016

Title of qualification awarded Multivariate Data Analysis – Level 1

Principal subjects/occupational skills covered Multivariate data modeling, Multivariate regression: MLR, PCR, PLS, Principal Component Analysis (PCA), Relevant data collection, Pretreatment and scaling Detecting and dealing with Outliers Calibration, Validation, Prediction Practical use of Advanced Multivariate Data Analysis tool: The Unscrambler X

Name and type of organisation providing education and training CAMO Software AS. Nedre Vollgate 8, N-0158, Oslo, NORWAY Tel: (47) 223 963 00 Fax: (47) 223 963 22 www.camo.com

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	B1	Independent user	B1	Independent user	B1	Independent user
B2	Independent user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences Team player, expressing a fair-play, problem-solving attitude, responsibility, hard working and organized person, communication skills.

Organisational skills and competences Good organizational and team-leading skills gained as vice dean of Faculty of Science

Computer skills and competences Microsoft Office (Word, Excel, Power Point), ISIS DRAW, CHEM DRAW,

Other skills and competences	Photography, traveling, reading, sport (ski)
Driving licence	B category
Additional information	Professional Affiliation: Romanian Chemistry Society (SChR) – 2005 onwards
Annexes	List of relevant works

List of relevant works

phD Thesis

Tataru Lavinia, "Methodological research on the chemistry of nutritive substrates used for horticultural crops", 2003.

Books

Tataru Lavinia, Analytical Chemistry- Aqueous Solutions Equilibria, Ed. UPit 2010, 300 p, ISBN 978-973-690-954-2

Tataru Lavinia, Topala Carmen, General Chemistry, Ed. UPit 2004, 220 p, ISBN: 973-690-262-5

ISI Thomson Reuters and ISI proceedings papers

Carmen Mihaela Topala, **Lavinia Diana Tataru**, Elena Cocuta Buciumeanu and Ionela Catalina Guta, "FTIR Spectra of grapevines (*Vitis vinifera* L.) in the presence of virus infections", authors: X INTERNATIONAL SYMPOSIUM ON GRAPEVINE PHYSIOLOGY AND BIOTECHNOLOGY, 13th-18th June, 2016, Verona, p.222, Acta Horticulturae – in press

"Regeneration of grapevine virus-free plants by in vitro chemotherapy", authors: Ionela Catalina Guta - Elena Cocuta Buciumeanu - **Lavinia Diana Tataru** - Carmen Mihaela Topala, X INTERNATIONAL SYMPOSIUM ON GRAPEVINE PHYSIOLOGY AND BIOTECHNOLOGY, 13th-18th June, 2016, Verona, p.222, Acta Horticulturae – in press

Guță, I.C., Buciumeanu, E. C., **Tătaru, L. D.**, and Topală, C. M., New approach of electrotherapy for grapevine virus elimination, III International Symposium on Horticulture in Europe, 17-21 October, 2016, Creta, p.194, http://she2016.org/docs/she2016_abstracts_book.pdf, Acta Horticulturae – in press

Carmen Mihaela Topala, Lavinia Diana Tataru, "ATR-FTIR Study of Thyme and Rosemary Oils Extracted by Supercritical Carbon Dioxide", *Revista de Chimie* (Bucharest), 57 (5), 2016
<http://www.revistadechimie.ro/pdf/TOPALA%20C%205%2016.pdf>

Carmen Mihaela Topala, Lavinia Diana Tataru, „Infrared Spectra Of Green Arabica Coffee Extraction Using Supercritical Carbon Dioxide And Soxhlet Technique”, *Revista de Chimie* (Bucuresti), 66 (8), 2015
<http://www.revistadechimie.ro/pdf/TOPALA%20C.pdf%208%2015.pdf>

Ionela Catalina Guta, Elena Cocuta Buciumeanu, Carmen Mihaela Topala and Lavinia Diana Tataru, "The use of in vitro chemotherapy for grapevine virus elimination", 6th International ISHS Symposium on Production and Establishment of Micropropagated Plants (PEMP), Sanremo, Italy, 19-24 April 2015, Acta Horticulturae, in press

B. Opreșcu, C. Topala, **L. Tataru**, S. Anghel, Cristale lichide 8. Studiul experimental al tranziției de fază de cristal lichid al unor amestecuri de mezogeni termotropi prin metoda difuziei luminii, *Revista de Chimie* (Bucuresti), 54 (7), 2003. <http://www.revistadechimie.ro/archive.asp>

IDB indexed papers

Carmen Mihaela Topala, Lavinia Diana Tataru, Ionela Catalina Guta, Elena Cocuta Buciumeanu, "ATR-FTIR Vibrational Spectroscopy as a Tool to Investigate the Grapevine (*Vitis Vinifera* L.) Sanitary Status, Agriculture & Food, ISSN 1314-8591, Volume 3, 2015, 218-225, <http://www.scientific-publications.net/en/article/1000674/>

Topala C., Opreșcu B., **Tataru L.***, FT/IR Study on Changes induced by Chemotherapy and Electrotherapy Application in Grapevine, Analele Universității din Craiova, seria Biologie, Horticultura, Tehnologia prelucrării produselor agricole, Ingineria mediului, ISSN 1453-1275, VIII (LIV), 333-338, <http://www.anucraiova.3x.ro/>

Guta I.C., Buciumeanu E.C., Opreșcu B., **Tataru L.**, Effect of direct electric current on virus elimination in grapevine, Proceedings of the 4th International Symposium New Researches in Biotechnology Symposium BTH 2011 (ISSN 124-7774), Bucharest, 41-50, http://simpbth.usamv.ro/Rezumate_2011.pdf

Tataru L., Oprescu B, The Impact of Some Nourishing Substrates and their Physical and Chemical Qualities on Growth Parameters of Grapevine, (B+), Scientific papers. Horticulture Serial. 2008, year LI-vol.51, Iasi, 835-840
http://www.uaiasi.ro/revista_horti/files/arhiva/VOL-51-2008.pdf

Tataru L., Oprescu B., D.Giosanu, Some Aspects Regarding the Chemical Behavior of Some Nutritive Substrates Used for Grapevine Growing in a Closed System, (B) Scientific papers, USAMVB, Horticulture, 2008, Serial B-LI, ISSN 1222-5312, 534-539

[http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20\(CD-ROM\).pdf](http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20(CD-ROM).pdf)

M. Fleancu, D.Giosanu, **Tataru L.**, The Geotropically Modifications of mustard Plantlets Due to the Phytochrome reversibility, (B) Scientific papers,. USAMVB, Horticulture, Serial B-LI, ISSN 1222-5312, 562-565, 2008
[http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20\(CD-ROM\).pdf](http://horticulturejournal.usamv.ro/pdf/7.%20Lucrari%20stiintifice,%20Seria%20B,%20Horticultura,%20Vol%20LI,%202008%20(CD-ROM).pdf)

International Conferences

"*FTIR Spectra of grapevines (Vitis vinifera L.) in the presence of virus infections*", authors: Carmen Mihaela Topala, Lavinia Diana Tataru, Elena Cocuta Buciumeanu and Ionela Catalina Guta, X INTERNATIONAL SYMPOSIUM ON GRAPEVINE PHYSIOLOGY AND BIOTECHNOLOGY, 13th-18th June, 2016, Verona, p.222

Topala Carmen Mihaela , **Tataru Lavinia Diana**, Ducu Catalin, "ATR-FTIR Spectra of Medicinal Herbs Using Microwave Extraction", 6th International Congress of Aromatic and Medicinal Plants (CIPAM), 29th May-1st June, 2016, Coimbra, Portugal.

Carmen Mihaela Topala and **Lavinia Diana Tataru**, "ATR-FTIR Study of Thyme Oils Extracted by Supercritical Carbon Dioxide, 19th Romanian International Conference on Chemistry and Chemical Engineering (RICCE 19), 2-5 september 2015, Sibiu, Romania.

Tataru L., Oprescu B., Physical and Chemical Properties of Some Nutritive Substrates Based on Grape Marc Compost, Sixth Int.Conference of the Chemical Societies of South Eastern European Countries, 10-14 Sept 2008, Sofia, p334,

C. Topala, B. Oprescu, I. Iosub, **L. Tataru**, Stability of the Stationary State of Biological Cells in generating of Dissociable Compounds, Functional of organic materials for micro and nano bio-sensing systems, E-MRS, Strasbourg, 31 mai 2007

C. Topală, I. Iosub, B. Oprescu,, **L. Tataru**, Fluorophenylcholesteryl Carbamates In An Electrical Field, International Conference of the Chemical Societies of the South-East European Countries, ICOSECS 5, 10-14 Sept. 2006 Ohrid OCH-59

C. Topala, B. Oprescu, **L. Tataru**, Study of Sterol Mesogens by Dilatometry, XXIX Chem. Conference, Călimănești-Căciulata, oct. 2006, 82-83, ISBN-13-978-750-049-6

L. Tătaru, C. Topală, The Chemical Behavior To Some Nourishing Substrates Used In An Ecological Agriculture, International Conference "Agricultural and Food Sciences, Processes and Technologies". Sibiu, 12-13 May 2005

B. Oprescu, C. Topală, **L. Tătaru** , "Sodium Laurate In An Electrical Field" Annual Scientific Conference, University of Bucharest, Faculty of Physics, 27-28 mai 2005

B. Oprescu, C. Topală, **L. Tătaru** "Behavior of Cedar Oil In An Electrical Field", 6th International Balkan on Applied Physics, 5-7 iulie 2005, S4 P07

B. Oprescu, C. Topală, **L. Tătaru**, "Temperature dependence of tension at liquid crystal-water interface", 14th National Conference on Physics, Bucharest, 13-17 September 2005, p.68

B. Oprescu, C. Topala, **L.Tataru**, “Two Channels Of Self-Organization Of Ionized Gaseous Media” The 12th International ICSI Conference Progress in Cryogenics and Isotopes Separation, Căciulata, October 2005, Proceedings p. 96-100

C. Topală, B. Oprescu, **L. Tătaru**, G. Iacobescu, “Sitosteryl Mesogens In An Electrical Field”, National Conference of Physics, CNF-2004, 9-11 September 2004, p.74

C. Topala, B. Oprescu, **L. Tataru**, Behavior of Cholesteric Esters in an Electric Field, National Conference of Chemistry, Calimanesti-Caciulata, 5-11 October, 2004, Abstracts, P.S.I. 83, p.179

Research Projects - research team member

Optimization of the processes of virus elimination in horticultural crops by in vitro chemotherapy and electrotherapy to achieve EU requirements on environmental quality and food products (SANOPLANT), PN-II-PT-PCCA-2011-3.1, project number 104/2012

Advanced technologies and materials for optoelectronics (OPTOMATEH), PN II-Capacities 126cp/I - 2007 -2010, membru in echipa

Research on energy transfer, plasma - radiofrequency electromagnetic field in electrical discharges in gases, CEEX – 06-D11-7/2006, 2006-2008